

## CLAIMS

1. A hollow structural needle crystal comprising fullerene molecules.
2. A needle crystal as claimed in Claim 1, wherein the fullerene molecule is a C<sub>60</sub>, C<sub>70</sub> or higher order fullerene, metal-intercalating fullerene or fullerene derivative.
3. A needle crystal as claimed in Claim 1 or 2, being denatured by heating or electron beam.
4. A needle crystal as claimed in any one of Claims 1 to 3, being in a closed form or holed form.
5. A method for preparing a hollow structural needle crystal comprising fullerene molecules, which comprises (1) a step in which a solution containing a first solvent dissolving fullerene therein is combined with a second solvent in which the solubility of fullerene is lower than in the above first solvent; (2) a step in which a liquid-liquid interface is formed between the above solution and the above second solvent; and (3) a step in which a carbon fine wire is precipitated on the above liquid-liquid interface.
6. A method for preparing C<sub>60</sub> needle crystal, C<sub>60</sub> hollow structural needle crystal, C<sub>60</sub> needle crystal containing platinum or C<sub>60</sub> platinum derivative, or C<sub>60</sub> hollow structural needle crystal containing platinum or C<sub>60</sub> platinum derivative by a liquid-liquid interfacial precipitation method, which comprises adding an alcohol to an organic solution of C<sub>60</sub> to which has been added C<sub>60</sub> platinum derivative.
7. A method for preparing C<sub>60</sub> needle crystal, C<sub>60</sub> hollow structural needle crystal, C<sub>60</sub> needle crystal containing platinum or platinum derivative, or C<sub>60</sub>

hollow structural needle crystal containing platinum or  $C_{60}$  platinum derivative by a liquid-liquid interfacial precipitation method from isopropyl alcohol and a saturated toluene solution of  $C_{60}$  to which has been added a  $C_{60}$  platinum derivative  $((\eta^2-C_{60})Pt(PPh_3)_2)$ .

8.  $C_{60}$ - $C_{70}$  Mixed fine wire being fullerene fine wire consisting of 2 components  $C_{60}$  and  $C_{70}$ .

9. A method for preparation of  $C_{60}$ - $C_{70}$  mixed fine wire which comprises adding a polar solvent to an organic solution of  $C_{60}$  and  $C_{70}$  to synthesize  $C_{60}$ - $C_{70}$  mixed fine wire by a liquid-liquid interfacial precipitation method.